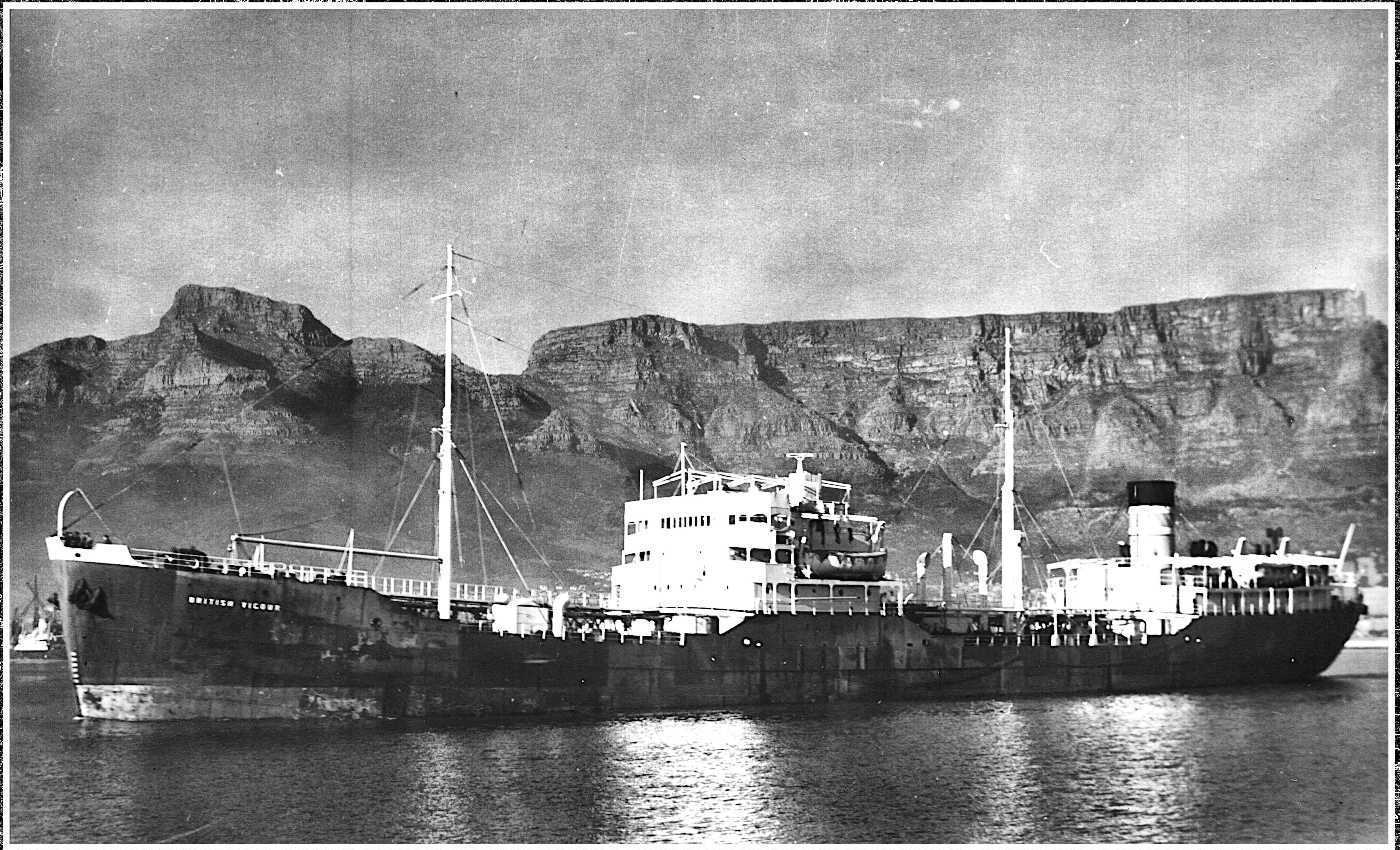
BRITISH VIGOUR

FURNESS. S. B. Cº Lᵀᴰ

Nº 347

S/S. BRITISH VIGOUR.

PROFILE & DECK PLANS.

AS. BUILT.

(18)

S.S. "British Vigour"
MDB. RPT. No. 17418.

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Lloyd's Register
Foundation

013553-013561-0027

# Nos 347[illegible]6

# PROFILE & DECK PLANS.

DIMENSIONS:– 400' × 56' × 30' U.D.

SCALE 1/8" = 1 FOOT.

NO INCREASE FOR SHEER AFT.

TO CLASS
LLOYDS 100 A1. "CARRYING PETROLEUM IN BULK."
LONGITUDINAL FRAMING AT BOTTOM & AT DECK.

POOP FRONT PLATING ·44"
STIFFS. 9" × 3" × ·44" B.A. 30" SPACING
BRIDGE END PLATING ·30"
STIFFS. 4½ × 3" × ·32"
38¼ SPACING
POOP DECK
UPPER DECK
BRIDGE DECK
FCLE DECK
SECOND DECK
BOILER CASING
ENGINE CASING
OIL FUEL BUNKER
PUMP ROOM
No 9 TANK
No 8 TANK
No 7 TANK
No 6 TANK
No 5 TANK
No 4 TANK
No 3 TANK
No 2 TANK
No 1 TANK
COFFERDAM
DEEP TANK
SUPPORT IN WAY OF F.W. TANK & REFRIG. MACH'Y FLAT
PLATING WELDED
DECK AND STRINGER PLATE BUTTS WELDED.
BEAMS 8 × 3 × ·36 B.A.
DEEP TANK TOP
TANK TOP
F.W. TANK
OIL FUEL BUNKER
SECTION IN MACHINERY SPACE

SCANTLINGS IN MACHINERY SPACE.

CENTRE GIRDER 60" × ·50" to ·42"
" " VERTICALS 3½ × 3½ × ·42"
" " TOP BARS 3½ × 3½ × ·42
" " BOTTOM BARS 4 × 4" × ·48"
FLOORS ·38 + ·08 & ·46 AT TANK ENDS. ·50 UNDER ENGINES
REV. FRS. ON FLOORS 3½ × 3½ × ·42. 6" × 6" × ·50" UNDER ENGINES.
INTERCOSTALS CLEAR OF ENGINES ·38"
CONT. GIRDER IN WAY " ·54"
INTERCOSTAL TOP ANGLES CLEAR OF ENGINES 3½ × 3½ × ·42" (6" × 6" × ·50" IN WAY OF ENGINES.)
" VERTICALS " " " 3½" × 3½" × ·36"
" BOTTOM ANGLES THROUGHOUT. 3½ × 3½ × ·42"
THICK PLATE UNDER ENGINES 1¼" ELSEWHERE TANK TOP ·50
TANK MARGIN ·50" TANK MARGIN ANGLE 3½ × 3½ × ·50
FRAMES ON FLOORS 3½ × 3½ × ·42" & AT TANK ENDS O.T. & W.T.

T. No 5007

FURNESS SHIPBUILDING COMPANY LTD
Issue No. X31514
Ship Drawing Office
Date 27-2-43
HAVERTON HILL-ON-TEES

12×20

FURNESS S.B. C^O L^TD

N^o 347.

S/S BRITISH VIGOUR.

MIDSHIP SECTION

AS BUILT.

14

S.S. "British Vigour"
MDB. RPT. No. 17418.

013553 — 013561-0026

# Nos 347-[redacted]
# MIDSHIP SECTION

SCALE ½" = 1. FOOT.

DIMENSIONS. LENGTH. 400'·0" B.P. BREADTH 56'·0" MLD DEPTH 30'·0" TO UPPER DK

TO CLASS LLOYDS 100. A.1. ✠ CARRYING PETROLEUM IN BULK.
"LONGITUDINAL FRAMING AT BOTTOM & AT DECK."

NOTE:-
ALL B.A. SECTIONS ARE NEW BRITISH STANDARD REVISED JULY 1924.

## LLOYDS NUMERALS.

DEPTH "D" = 30.00
L × D = 12000.
L × (B + D) = 34400.
L/D BRIDGE. 10.66
L/D. UPPER. 13.33

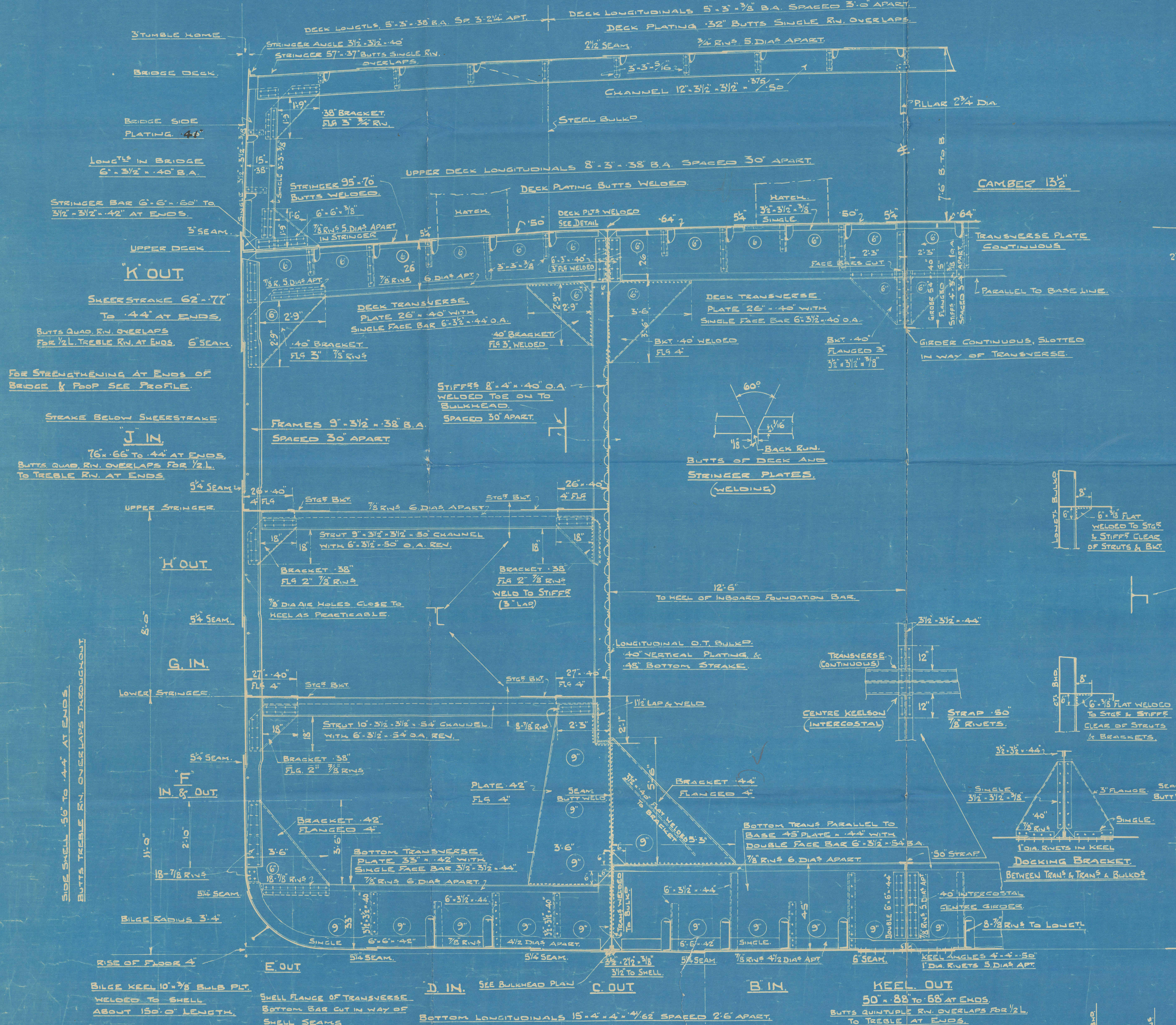
## — EQUIPMENT NUMERAL. —

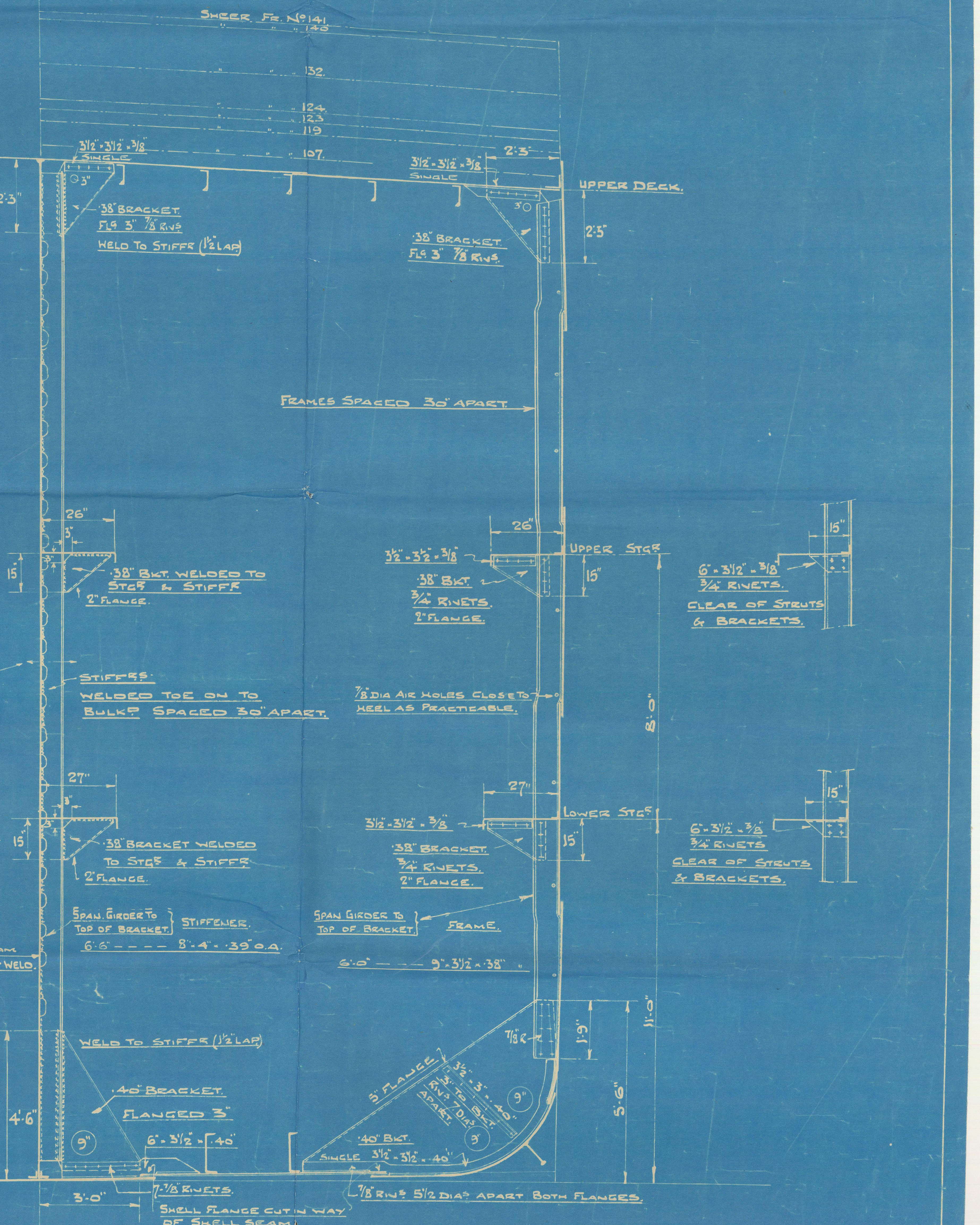
| | | |
|---|---|---|
| L × (D + B) | | 34400 |
| POOP. | 95·5 × 7·5 × ·75. | 537. |
| BRIDGE | 43·0 × 7·5 × ·75. | 242. |
| FORECASTLE. | 48·0 × 7·5 × ·75. | 270. |
| POOP HOUSE. | 77·0 × 8·0 × ·50 | 308. |
| BRIDGE HOUSE | 43·0 × 8·0 × ·50. | 172. |
| UPPER BRIDGE HOUSE | 40·0 × 8·0 × ·50 | 160 |
| CHART HOUSE ETC. | 41·5 × 7·5 × ·50. | 155. |
| | TOTAL. | 36244. |

## — EQUIPMENT. —

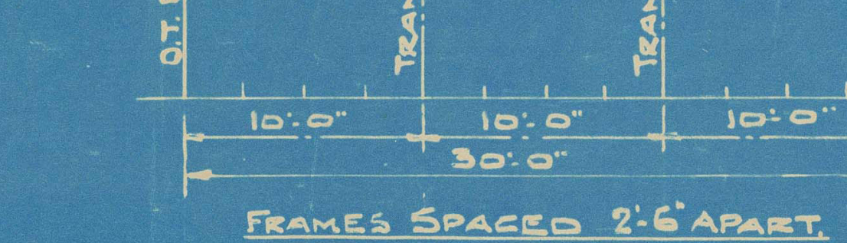
1. BOWER ANCHOR (STOCKLESS) WEIGHING. 63¾ CWTS
1. " " ( ) " 63¾ "

1. STREAM ANCHOR (EX. STOCK) " 17½ "
225. FATHOMS OF 2¼" STUD CHAIN CABLE
90. " " 4¼" (6/24) STEEL WIRE STREAM
120 " " 4¼" (6/24) " " TOWLINE.
2 @ 100. " " 3" (6/24)
OWNERS SUPPLY. { 8 @ 120. " " 7" " WARPS
4 @ 100 " " 3½" (6/24)


DECK LONGTLS. 5" - 3" × ·38" B.A. SP. 3'-2¼" APT.
DECK LONGITUDINALS 5" × 3" × 3/8" B.A. SPACED 3'·0" APART.
DECK PLATING ·32" BUTTS SINGLE RIV. OVERLAPS.
3" TUMBLE HOME
STRINGER ANGLE 3½" - 3½" × ·40"
STRINGER 57" × ·37" BUTTS SINGLE RIV. OVERLAPS.
2½" SEAM.
¾" RIVS 5. DIAS APART.
3" - 3" - 5/16"
BRIDGE DECK.
CHANNEL 12" - 3½" - 3½" × ·375/·50
PILLAR 2¾" DIA.
STEEL BULKD
1'·9"
·38" BRACKET. FLG 3" ¾" RIV.
BRIDGE SIDE PLATING ·41"
LONGTLS IN BRIDGE 6" × 3½" × ·40" B.A.
15. ·38"
SINGLE 3½" - 3½" × 3/8"
SINGLE 3" - 3" × 3/8"
UPPER DECK LONGITUDINALS 8" - 3" × ·38" B.A. SPACED 30" APART.
DECK PLATING BUTTS WELDED.
STRINGER 95" × ·70" BUTTS WELDED.
STRINGER BAR 6" - 6" × ·60" TO 3½" - 3½" × ·42" AT ENDS.
1'·6" 6" - 6" × 3/8"
7/8" RIVS 5. DIAS APART IN STRINGER
3" SEAM.
UPPER DECK
HATCH.
·50"
DECK PLTS WELDED SEE DETAIL
·64"
5¼"
HATCH. 3½" - 3½" × 3/8" SINGLE.
·50"
5¼"
·64"
7'·6" B. TO B.
CAMBER 13½"
TRANSVERSE PLATE CONTINUOUS
7/8" R. 5. DIAS APT.
26
7/8" RIVS. 6. DIAS APT.
3" - 3" × 3/8"
6" - 3" × ·40" 3" FLG WELDED
2'·3"
FACE BARS CUT
GIRDER 54" × ·40" FLANGED 5" STIFFS 4" - 3" × 3/8" 10 A SPACED 3'·4" APART
PARALLEL TO BASE LINE.
"K" OUT.
SHEERSTRAKE 62" × ·77" TO ·44" AT ENDS.
BUTTS QUAD. RIV. OVERLAPS FOR ½L. TREBLE RIV. AT ENDS.
6" SEAM.
2'·9"
DECK TRANSVERSE. PLATE 26" × ·40" WITH SINGLE FACE BAR 6" - 3½" × ·44" O.A.
DECK TRANSVERSE PLATE 26" × ·40" WITH SINGLE FACE BAR 6" - 3½" × ·40" O.A.
·40" BRACKET. FLG 3" 7/8" RIVS
·40" BRACKET. FLG 3". WELDED
3'·6"
BKT. ·40" WELDED FLG 4"
BKT. ·40" FLANGED 3" 3½" × 3½" × 3/8"
GIRDER CONTINUOUS, SLOTTED IN WAY OF TRANSVERSE.
FOR STRENGTHENING AT ENDS OF BRIDGE & POOP SEE PROFILE.
STIFFRS 8" × 4" × ·40" O.A. WELDED TOE ON TO BULKHEAD. SPACED 30" APART.
60°
5/16
1/8
BACK RUN.
BUTTS OF DECK AND STRINGER PLATES. (WELDING)
STRAKE BELOW SHEERSTRAKE.
"J" IN.
76" × ·66" TO ·44" AT ENDS.
BUTTS. QUAD. RIV. OVERLAPS FOR ½L. TO TREBLE RIV. AT ENDS.
FRAMES 9" - 3½" × ·38" B.A. SPACED 30" APART.
5¼" SEAM
26" × ·40" 4" FLG
STGR BKT.
7/8" RIVS 6. DIAS APART
UPPER STRINGER.
STRUT 9" × 3½" × 3½" × ·50" CHANNEL WITH 6" × 3½" × ·50" O.A. REV.
18"
BRACKET ·38" FLG 2" 7/8" RIVS.
BRACKET ·38" FLG 2" 7/8" RIVS WELD TO STIFFR (3" LAP)
"H" OUT.
7/8" DIA AIR HOLES CLOSE TO HEEL AS PRACTICABLE.
12'·6" TO HEEL OF INBOARD FOUNDATION BAR.
LONGTL BULKD
8"
6"
6" × 3/8" FLAT WELDED TO STGR & STIFFR CLEAR OF STRUTS & BKT.
15"
8'·0"
5¼" SEAM.
LONGITUDINAL O.T. BULKD. ·40" VERTICAL PLATING & ·48" BOTTOM STRAKE.
TRANSVERSE. (CONTINUOUS)
3½" - 3½" × ·44"
12"
CENTRE KEELSON (INTERCOSTAL)
STRAP ·50" 7/8" RIVETS.
G. IN.
27" × ·40" FLG 4"
LOWER STRINGER.
STRUT 10" - 3½" - 3½" × ·54" CHANNEL. WITH 6" - 3½" × ·54" O.A. REV.
8 - 7/8" RIVS
2'·3"
2'·1"
1½" LAP & WELD
CTL. BHD.
6" × 3/8" FLAT WELDED TO STGR & STIFFR CLEAR OF STRUTS & BRACKETS.
SIDE SHELL ·56" TO ·44" AT ENDS.
BUTTS TREBLE RIV. OVERLAPS THROUGHOUT.
5¼" SEAM.
"F" IN. & OUT.
PLATE ·42" FLG 4"
SEAM BUTT WELD.
9"
BRACKET ·44" FLANGED 4"
3½" × ·40" FLAT WELDED TO BRACKET
5'·6"
5'·3"
BRACKET ·42" FLANGED 4"
2'·10"
11'·0"
3'·6"
BOTTOM TRANSVERSE. PLATE 33" × ·42" WITH SINGLE FACE BAR 3½" - 3½" × ·44"
7/8" RIVS 6. DIAS APART.
BOTTOM TRANS PARALLEL TO BASE 45" PLATE × ·44" WITH DOUBLE FACE BAR 6" × 3½" × ·54" B.A.
7/8" RIVS 6. DIAS APART.
·50" STRAP
3½" - 3½" × ·44"
SINGLE. 3½" - 3½" × 3/8"
3" FLANGE.
·40"
7/8" RIVS
SINGLE.
SEAM BUTT WELD.
1" DIA. RIVETS IN KEEL
DOCKING BRACKET. BETWEEN TRANS & TRANS & BULKDS
18 - 7/8" RIVS
6"
5¼" SEAM.
BILGE RADIUS 3'·4"
33"
3½" - 3½" × ·40
6" × 3½" × ·44"
SINGLE
6" × 6" × ·42"
7/8" RIVS
4½ DIAS APART.
TRANS WELDED TO BULKD
45
DOUBLE 6" × 6" × ·44"
7/8" RIVS 5. DIAS APT
·40" INTERCOSTAL CENTRE GIRDER.
8 - 7/8" RIVS TO LONGTL
4'·6"
RISE OF FLOOR 4"
5¼" SEAM.
3½" - 2½" × 3/8" 3½" TO SHELL.
7/8" RIVS 4½ DIAS APT
6" SEAM.
KEEL ANGLES 4" - 4" × ·50" 1" DIA. RIVETS 5. DIAS APT.
"E" OUT.
"D" IN.
SEE BULKHEAD PLAN
"C" OUT.
"B" IN.
KEEL. OUT. 50" × ·88" TO ·68" AT ENDS.
BUTTS QUINTUPLE RIV. OVERLAPS FOR ½L. TO TREBLE AT ENDS.
BILGE KEEL 10" × 3/8" BULB PLT. WELDED TO SHELL ABOUT 150'·0" LENGTH.
SHELL FLANGE OF TRANSVERSE BOTTOM BAR CUT IN WAY OF SHELL SEAMS
BOTTOM LONGITUDINALS 15" × 4" × 4" × ·41/·62" SPACED 2'·6" APART.
LONGITUDINALS IN WING TANK KEEL TO CR. (P & S.)
LONGITUDINALS IN CR. TANKS KEEL TO CR (P & S.)
BOTTOM SHELL ·60" TO UPPER TURN OF BILGE. TO ·46" AT ENDS.
BOTTOM SHELL ·58" TO ·46" AT ENDS.
INCREASED FORD OF ½L. AS PER RULE
BUTTS OF BOTTOM SHELL QUADRUPLE RIV. OVERLAPS FOR ½L. TO TREBLE AT ENDS.


SHEER FR. No 141
" " 140
" " 132.
" " 124.
" " 123
" " 119
" " 107.
3½" - 3½" × 3/8" SINGLE
2'·3"
·38" BRACKET. FLG 3" 7/8" RIVS WELD TO STIFFR (1½" LAP)
·38" BRACKET. FLG 3" 7/8" RIVS.
2'·5"
UPPER DECK.
FRAMES SPACED 30" APART.
26"
3"
15
·38" BKT. WELDED TO STGR & STIFFR
2" FLANGE.
3½" - 3½" × 3/8"
UPPER STGR
·38" BKT. ¾" RIVETS. 2" FLANGE.
6" × 3½" × 3/8" ¾" RIVETS. CLEAR OF STRUTS & BRACKETS.
STIFFRS. WELDED TOE ON TO BULKD SPACED 30" APART.
7/8" DIA AIR HOLES CLOSE TO HEEL AS PRACTICABLE.
8'·0"
27"
·38" BRACKET WELDED TO STGR & STIFFR
LOWER STGR
·38" BRACKET. ¾" RIVETS. 2" FLANGE.
6" × 3½" × 3/8" ¾" RIVETS CLEAR OF STRUTS & BRACKETS.
SPAN. GIRDER TO TOP OF BRACKET. STIFFENER. 6'·6" - - - - 8" × 4" × ·39" O.A.
SPAN GIRDER TO TOP OF BRACKET. FRAME. 6'·0" - - - 9" × 3½" × ·38"
WELD TO STIFFR (1½" LAP)
·40" BRACKET. FLANGED 3"
4'·6"
6" × 3½" × ·40"
9"
7/8" R.
1'·9"
11'·0"
5'·6"
5" FLANGE.
3½" × 3" × ·40". RIVS TO BKT. 7 DIAS APART.
·40" BKT. SINGLE 3½" - 3½" × ·40"
3'·0"
7 - 7/8" RIVETS.
SHELL FLANGE CUT IN WAY OF SHELL SEAM.
7/8" RIVS 5½ DIAS APART BOTH FLANGES.

SECTION THRO WING TANKS
CLEAR OF TRANSVERSES.


O.T. BHD.
TRANS.
TRANS.
O.T. BHD.
10'·0"
10'·0"
10'·0"
30'·0"

FRAMES SPACED 2'·6" APART.

DIAGRAM SHEWING SPACING OF TRANSVERSES IN OIL TANKS.

FURNESS SHIPBUILDING COMPANY
Issue No. X31513
Ship Drawing
Date 27-2-43
HAVERTON HILL-ON-TEES

PLAN No T. 5005.

"BRITISH VIGOUR"

347/8

Furness S.B. Co. Ltd

Amended [illegible]

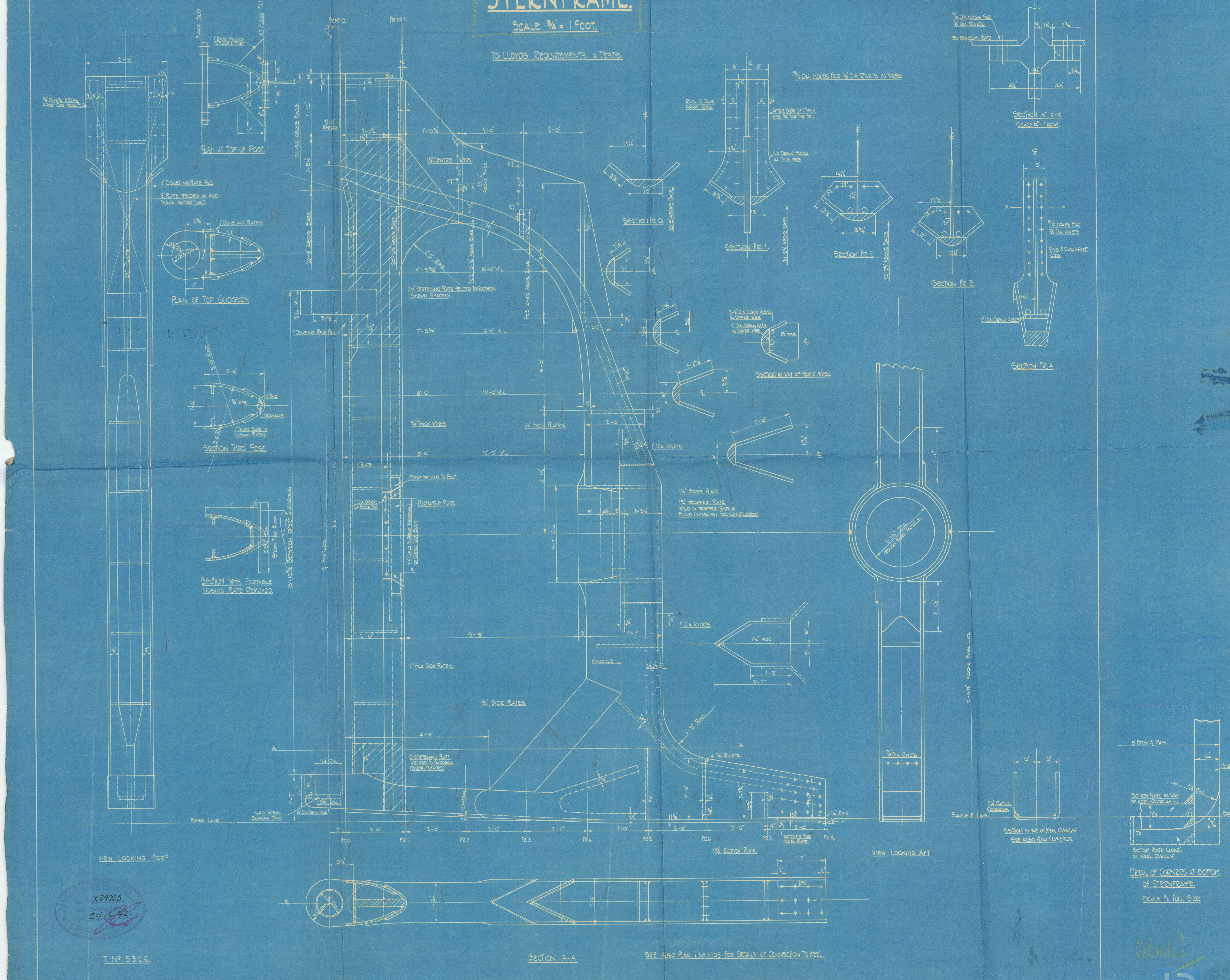
013553-013561-0028

# Nos 347-8.

# STERNFRAME.

SCALE 3/4" = 1 FOOT.

TO LLOYDS REQUIREMENTS & TESTS.



FR No 0.
FR No 1.
FLOOR FR 0
W.T. FLOOR FR 1.
1" BKTS WELDED TO FLOOR & POST.
PLAN AT TOP OF POST.
2'-9"
7/8" RIVETS 5 DIAS APART CRS HOLES 15/16 DIA
1" DOUBLING PLATE P&S.
2" PLATE WELDED IN AND MADE WATERTIGHT.
2 1/2" PLATE
1" DOUBLING PLATES.
PLAN OF TOP GUDGEON.
SECTION THRO' POST.
3'-0" RAD
3/4" WEB.
4" RAD
DRAINAGE
1" THICK SIDE & NOSING PLATES.
SECTION WITH PORTABLE NOSING PLATE REMOVED.
STERN TUBE BUSH
2'-3 3/4" DIA
15'-10 5/8" BETWEEN TOPS OF GUDGEONS.
℄ PINTLES.
24'-5 1/2" ABOVE BASE.
20'-9" ABOVE BASE.
20'-2 1/4" ABOVE BASE.
22'-2" ABOVE BASE
FR 2. 19'-7 1/4" ABOVE BASE
FR 3. 18'-8 1/2" ABOVE BASE
3'-0" APPROX.
BKT.
1 1/4" CENTRE WEB.
2'-0" RAD.
2 1/2" STIFFENING PLATE WELDED TO GUDGEON (SHEWN SHADED)
1" DOUBLING PLATE P&S.
18'-0" W.L.
16'-0" W.L.
14'-0" W.L.
12'-0" W.L.
3/4" THICK WEBS.
1 1/4" SIDE PLATES.
1" DIA RIVETS.
1" PLATE
STRAP WELDED TO POST.
1" DIA BRASS TAP BOLTS CSK
PORTABLE PLATE.
2'-5" CLEAR TO PERMIT WITHDRAWAL OF STERN TUBE BUSH.
1 1/4" BOSS PLATE.
1 1/4" WRAPPER PLATE. WELD IN WRAPPER PLATE IF FOUND NECESSARY FOR CONSTRUCTION.
3'-2" DIA
KNUCKLE
1" THICK SIDE PLATES.
1 1/4" SIDE PLATES.
1 1/2" WEB.
1'-9" RAD
4-7/8" RIVETS.
3" STIFFENING PLATE WELDED TO GUDGEON (SHEWN SHADED)
1 1/8" DIA.
HARD STEEL BEARING DISC.
1 1/2" DIA DRAIN HOLE
BASE LINE.
10" APPROX.
1 1/4" PLATE
NOTCHED FOR KEEL PLATE.
1 3/8" BOTTOM PLATE.
FR 0
FR 1.
FR 2
FR 3
FR 4
FR 5.
FR 6
FR 7
FR 8.
A
VIEW LOOKING FOR^D
SECTION A-A.
SEE ALSO PLAN T. No 5205 FOR DETAILS OF CONNECTION TO KEEL.
SECTION FR 0.
15/16" DIA. HOLES FOR 7/8" DIA. RIVETS IN WEBS.
RIVS. 5 DIAS APART CRS.
AFTER SIDE OF 1" THICK WEB 3/4" FOR^D OF FR 1.
NO DRAIN HOLES IN THIS WEB.
SECTION FR. 1.
SECTION FR. 2.
SECTION FR. 3.
SECTION FR. 4.
15/16" DIA. HOLES FOR 7/8" DIA. RIVETS.
.50" TRANSOM PLATE
SECTION AT X-X.
SCALE 1/4" = 1 INCH.
15/16" HOLES FOR 7/8" DIA. RIVETS.
RIVS. 5 DIAS APART CRS.
2" DIA. DRAIN HOLES
2-2" DIA. DRAIN HOLES IN UPPER WEB.
2" DIA. DRAIN HOLE IN LOWER WEB.
1 1/2" WEB.
SECTION IN WAY OF HORIZ WEBS.
2'-3 1/4" DIA. ROUGH BORE PARALLEL
9'-4 1/2" ABOVE BASE LINE
7/8" DIA RIVETS
BASE LINE.
VIEW LOOKING AFT.
2 1/4" RADIUS CORNERS.
SECTION IN WAY OF KEEL OVERLAP
SEE ALSO PLAN T. No 5205.
9" FROM ℄ P&S.
SIDE PLATE
2 1/4" RAD.
BOTTOM PLATE IN WAY OF KEEL OVERLAP
BASELINE.
BOTTOM PLATE CLEAR OF KEEL OVERLAP.
DETAIL OF CORNERS AT BOTTOM OF STERNFRAME.
SCALE 1/2 FULL SIZE.

FURNESS SHIPBUILDING COMPANY, LTD.
Issue No X 29755
Ship Drawing Office
Date 24.6.42.
HAVERTON HILL-ON-TEES

T. No 5326.

3.6.42.

Colvilles

013553-013561-0028

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Lloyd's Register Foundation

"BRITISH VIGOUR"

347/8

Furness S.B. Co. Ltd

Rudd[illegible]

013553-013561-0025

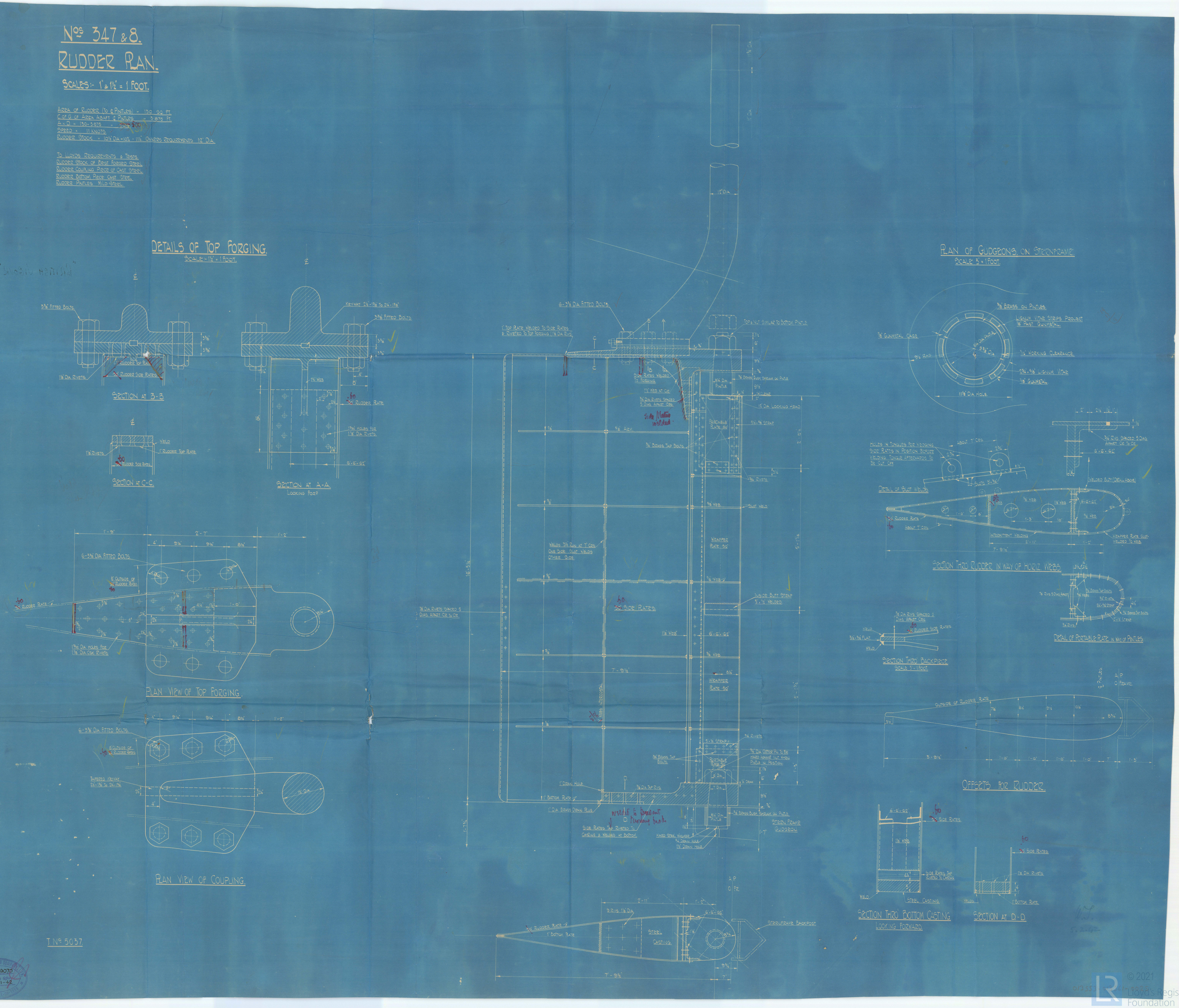
# Nos 347 & 8.

# RUDDER PLAN.

SCALES:- 1" & 1½" = 1 FOOT.

AREA OF RUDDER (TO ℄ PINTLES) = 130 SQ. FT.
C. OF G. OF AREA ABAFT ℄ PINTLES = 3·875 FT.
A × D. = 130 × 3·875 = ~~504~~ 500
SPEED = 11 KNOTS.
RUDDER STOCK = 10½" DIA + 10% = 11½". OWNERS REQUIREMENTS 12" DIA.

TO LLOYDS REQUIREMENTS & TESTS.
RUDDER STOCK OF BEST FORGED STEEL.
RUDDER COUPLING PIECE OF CAST STEEL.
RUDDER BOTTOM PIECE CAST STEEL
RUDDER PINTLES. MILD STEEL.


DETAILS OF TOP FORGING.
SCALE:- 1½" = 1 FOOT.
3⅜" FITTED BOLTS.
1" RUDDER TOP PLATE
.60 RUDDER SIDE PLATES.
1⅛" DIA. RIVETS.
SECTION AT B-B.
KEYWAY 2½" × 1⅜" TO 2¼" × 1⅜"
1½" WEB
.60 RUDDER PLATE.
1⁵⁄₃₂" HOLES FOR 1⅛" DIA. RIVETS.
6" × 6" × 62"
SECTION AT A-A.
LOOKING FORD
WELD
1⅛" RIVETS
SECTION AT C-C.
6-3⅜" DIA. FITTED BOLTS.
8" OUTSIDE OF .60 RUDDER PLATES
.60 RUDDER PLATE
1⁵⁄₃₂" DIA. HOLES FOR 1⅛" DIA. CSK. RIVETS.
PLAN VIEW OF TOP FORGING.
TAPERED KEYWAY 2½" × 1⅜" TO 2¼" × 1⅜"
12" DIA
PLAN VIEW OF COUPLING.
1" TOP PLATE WELDED TO SIDE PLATES & RIVETED TO TOP FORGING (1⅛" DIA RIVS)
TOP & NUT SIMILAR TO BOTTOM PINTLE.
SIDE PLATES WELDED TO FORGING.
1½" WEB AT CR.
¾" DIA RIVETS SPACED 5 DIAS. APART CRS.
Side Plates welded.
8¼" DIA PINTLE
⅜" BRASS BUSH SHRUNK ON PINTLE
⅛" CLEAR
12" DIA. LOCKING HEAD.
PORTABLE PLATE ·50"
5½" × ⅝" STRAP
¾" BRASS TAP BOLTS.
¾" RIVETS.
⅝" ARM.
⅝" WEB.
SLOT WELD.
WELDS 3½" RUN AT 7" CRS. ONE SIDE. SLOT WELDS OTHER SIDE.
WRAPPER PLATE ·50"
INSIDE BUTT STRAP 5" × ½" WELDED.
⅞" DIA. RIVETS SPACED 5 DIAS. APART CR. TO CR.
.60 SIDE PLATES.
1⅛" WEB
7'-9½"
16'-5½"
1" WEBS INTERCOSTAL.
5 × ½ STRAP
¾" DIA. COTTER PIN TO BE HARD AGAINST NUT WHEN PINTLE IN POSITION.
6" DIA.
7 DIA.
¼" DRAW.
1" DRAIN HOLE.
⅞" DIA TAP RIVS.
1" BOTTOM PLATE
1" DIA BRASS DRAIN PLUG.
welded to prevent tearing back
SIDE PLATES TAP RIVETED TO CASTING & WELDED AT BOTTOM.
HARD STEEL WASHER
¾" DRAIN HOLE.
1½" DRAIN HOLE.
STERN FRAME GUDGEON.
A.P. 0 FR.
9 RIVS. 1⅛" DIA.
.50 RUDDER PLATE
1" BOTTOM PLATE
STEEL CASTING.
STERNFRAME BACKPOST.
PLAN OF GUDGEONS ON STERNFRAME.
SCALE 3" = 1 FOOT.
⅜" BRASS ON PINTLES.
LIGNUM VITAE STRIPS PROJECT ⅛" PAST GUNMETAL.
⅞" GUNMETAL CAGE
9½" RAD.
8¼" DIA PINTLE
9⅜" DIA.
1/16" WORKING CLEARANCE.
2¾" × ⅝" LIGNUM VITAE.
⅜" GUNMETAL.
11⅛" DIA. HOLE.
HOLES IN TONGUES FOR WEDGING SIDE PLATES IN POSITION BEFORE WELDING. TONGUE AFTERWARDS TO BE CUT OFF.
ABOUT 7" CRS.
SLOTS 5" × ¾"
DETAIL OF SLOT WELDS.
¾" RIVS. SPACED 5 DIAS APART CR. TO CR.
WELDED BUTT (DETAIL ABOVE)
⅝" WEB
1⅛" WEB
.60 RUDDER PLATE
INTERMITTENT WELDING
WRAPPER PLATE SLOT-WELDED TO WEB.
SECTION THRO' RUDDER IN WAY OF HORIZ. WEBS.
⅞" RIVS 5 DIAS APART
¾" BRASS TAP BOLTS
¾" RIVETS
5½" × ⅝" STRAP
5" × ½" STRAP
¾" RIVS
DETAIL OF PORTABLE PLATE IN WAY OF PINTLES.
⅞" DIA RIVS. SPACED 5 DIAS APART CRS.
WELD.
3½" × ⅝" FLAT.
.60 RUDDER SIDE PLATES.
SECTION THRO' BACKPIECE.
SCALE 3" = 1 FOOT.
℄ PINTLES.
A.P. 0 FRAME.
OUTSIDE OF RUDDER PLATE
3'-9½"
1'-0"
1'-3"
OFFSETS FOR RUDDER.
.60 SIDE PLATES.
SIDE PLATES TAP RIVETED TO CASTING.
STEEL CASTING.
SECTION THRO' BOTTOM CASTING LOOKING FORWARD.
1⅛" DIA. RIVETS.
WELDS.
1" BOTTOM PLATE.
SECTION AT D-D.
W.T. 5.2.42

T. No 5037.

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